

CLAIMS

We claim:

1. (Currently amended) A method for producing propylene oxide, comprising reacting propylene with hydrogen peroxide in the presence of an organic solvent and a crystalline
5 titanosilicate catalyst, wherein the catalyst has an MWW structure containing Ti, the Ti having been incorporated during crystallization.
2. (Currently amended) The method according to claim 1, wherein the organic solvent is a nitrile compound.
3. (Currently amended) The method according to claim 1, wherein the crystalline
10 titanosilicate catalyst having an MWW structure is prepared without using aluminum.
4. (Currently amended) The method according to claim 1, wherein hydrogen peroxide used in the reaction is synthesized within the reaction of propylene.